Biomedical Engineer



Innovator Anatomy

- BRAIN
- HANDS
- GUT

- Designs medical devices
- Determines components to use
- Determines the best option from many
- Tests devices to make sure they work in the body

Software Engineer



Innovator Anatomy

- BRAIN
- HANDS
- GUT

- Programs computers or microcontrollers
- Determines how a device should function in all scenarios
- Writes logic that determines device functionality

Test Engineer



Innovator Anatomy

- HANDS
- EYES
- HEART

- Tests devices repeatedly to ensure safety and reliability
- Identifies and fixes problems
- Ensures devices work with the human body

Surgical Systems Engineer



Innovator Anatomy

- HEART
- HANDS
- EARS

- Designs robotic control tools
- Communicates and tests with surgeons
- Programs robotic motions and tools

Manufacturing Engineer



Innovator Anatomy

- HANDS
- EARS
- BRAIN

- Creates processes to assemble devices
- Ensures products are made consistently
- Determines tools to use during assembly

Data Scientist



Innovator Anatomy

- EYES
- HEART
- BRAIN

- Interprets data from tests and surveys
- Finds patterns to improve performance or product
- Graphs and analyzes data in charts, images, and graphs

Clinical Specialist



Innovator Anatomy

- HEART
- EARS
- EYES

- Works with doctors to use medical devices correctly
- Explores how devices function in real procedures
- Trains doctors on best practices

Regulatory Affairs Specialist



Innovator Anatomy

- HANDS
- BRAIN
- HEART

- Ensures devices meet government safety requirements
- Documents processes and tests that prove the product meets safety requirements
- Helps get new devices approved to be used by physicians

Quality Assurance Engineer



Innovator Anatomy

- **HANDS**
- **HEART**
- **EYES**

- Ensures devices meet strict safety standards
- Reviews data to ensure tools and processes will work

Systems Engineer



Innovator Anatomy

- **BRAIN**
- **EARS**
- **EYES**

- Ensures all parts of the device work together
- Tests the hardware and software components
- Documents testing and reports findings